

REMARKS

This paper is a supplemental amendment to the amendment filed as 1902oar2 on March 1, 2011, and is in response to a telephone communication with examiner Neal Sereboff, initiated by examiner Sereboff, in which the undersigned agent was informed that there was some confusion under 35 U.S.C. 112 as to where and how the functionalities recited as "wherein" clauses in claim 19 as last amended, are accomplished.

The undersigned agent and examiner Sereboff agreed in the communication that the 112 difficulty might be resolved by amending claim 19 further so that the "wherein" limitations would be recited in each limitation describing one of the three tiers, these being the foundation services tier (FST), the domain services tier (DST), and the application services tier (AST).

Accordingly claim 19 is herein amended striking each of the "wherein" clauses, and re-entering the limitation of each "wherein" clause under the appropriate tier.

The applicant believes that this has been done without depleting any limitation recited in claim 19 before this most recent amendment, and stands ready to provide further fixes if examiner Sereboff deems such changes necessary to provide sufficient clarity.

A copy of claim 19 is provided immediately below as currently amended, just as an aid in the prosecution process.

19. (As currently amended) A system for developing health care business applications, comprising:

a server coupled to a data repository;

a software system executing on the server from a non-transitory machine-readable physical medium, the software system comprising:

a foundation services tier (FST) providing modules with operating system functionalities including resource allocation and a scheduling function, and modules with middleware functionalities including messaging and knowledge integration, wherein all

tasks that are scheduled are initiated through the scheduler function, with each defined task comprising constraints, and if the constraints cannot be satisfied within a current context, the scheduler notifies a task initiator with a precise indication of the reasons, providing Quality of Service (QoS) guarantees, and wherein user's security authorizations are managed by a Globally-Controlled Locally Managed (GCLM) system in which users are grouped into non-overlapping security domains, each managed by a security domain administrator (SDA), and users are assigned privileges defined by application designers at a lowest level of granularity;

a domain services tier (DST) comprising a workflow software (SW) engine having specific process states, and thus having state transitions, triggered by events, all defined by an XML-based configuration mechanism of the workflow engine, and Application Programming Interfaces (APIs) for developing the healthcare business process applications, wherein each call to an API is routed to a Quality of Service (QoS) subsystem before being executed, and QoS standards are enforced in operation of the API and any healthcare business process application implemented through the API, and wherein the healthcare business process applications are developed for a specific healthcare enterprise, and after development are deployed to be executed at the specific enterprise by users who are associated with and granted privileges for that enterprise; and

an application services tier (AST) comprising specific healthcare business process applications developed using the workflow software engine and APIs of the DST, the healthcare business process applications implemented using services of the workflow software engine and communicating with one another in the AST using a publish-subscribe model provided by a subscription manager, in which messages are published by individual applications without being addressed to any specific destination, and applications subscribe according to interest without regard to any specific source, and wherein in the AST all entered data is routed through a health care standards subsystem before being accepted as clinical data, thus ensuring standards compliance.

Summary

If any fees are due beyond fees paid with this amendment, authorization is made to deduct those fees from deposit account 50-0534. If any time extension is needed beyond any extension requested with this amendment, such extension is hereby requested.

Respectfully Submitted
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